



**Does Not Comply**  
**Corrected Diskette Needed**

OIKE

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/084,553

DATE: 07/24/2002

TIME: 12:27:39

Input Set : A:\Uco-1242.app

Output Set: N:\CRF3\07242002\J084553.raw

3 <110> APPLICANT: Tobin, Elaine  
 4 Wang, Zhi-Yong  
 5 Sun, Lin  
 6 The Regents of the University of California  
 8 <120> TITLE OF INVENTION: Phytochrome Regulated Transcription Factor for Control  
 9 of Higher Plant Development  
 11 <130> FILE REFERENCE: 023070-124200US  
 13 <140> CURRENT APPLICATION NUMBER: US 10/084,553  
 C--> 14 <141> CURRENT FILING DATE: 2002-07-09  
 16 <150> PRIOR APPLICATION NUMBER: US 08/843,572  
 17 <151> PRIOR FILING DATE: 1997-04-18  
 19 <160> NUMBER OF SEQ ID NOS: 27  
 21 <170> SOFTWARE: PatentIn Ver. 2.1

**ERRORED SEQUENCES**

334 <210> SEQ ID NO: 2  
 335 <211> LENGTH: 608  
 336 <212> TYPE: PRT  
 337 <213> ORGANISM: Arabidopsis thaliana  
 338 <223> OTHER INFORMATION: phytochrome-regulated transcriptional factor CCA1  
 E--> 340 <400> SEQUENCE: 2

341 Met Glu Thr Asn Ser Ser Gly Glu Asp Leu Val Ile Lys Thr Arg Lys  
 342 1 5 10 15  
 343 Pro Tyr Thr Ile Thr Lys Gln Arg Glu Arg Trp Thr Glu Glu Glu His  
 344 20 25 30  
 345 Asn Arg Phe Ile Glu Ala Leu Arg Leu Tyr Gly Arg Ala Trp Gln Lys  
 346 35 40 45  
 347 Ile Glu Glu His Val Ala Thr Lys Thr Ala Val Gln Ile Arg Ser His  
 348 50 55 60  
 349 Ala Gln Lys Phe Phe Ser Lys Val Glu Lys Glu Ala Glu Ala Lys Gly  
 350 65 70 75 80  
 351 Val Ala Met Gly Gln Ala Leu Asp Ile Ala Pro Pro Pro Arg Pro  
 352 85 90 95  
 353 Lys Arg Lys Pro Asn Asn Pro Tyr Pro Arg Lys Thr Gly Ser Gly Thr  
 354 100 105 110  
 355 Ile Leu Met Ser Lys Thr Gly Val Asn Asp Gly Lys Glu Ser Leu Gly  
 356 115 120 125  
 357 Ser Glu Lys Val Ser His Pro Glu Met Ala Asn Glu Asp Arg Gln Gln  
 358 130 135 140  
 359 Ser Lys Pro Glu Glu Lys Thr Leu Gln Glu Asp Asn Cys Ser Asp Cys  
 360 145 150 155 160

*22207 mandatory header field missing*

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361 Phe Thr His Gln Tyr Leu Ser Ala Ala Ser Ser Met Asn Lys Ser Cys
362                165                170                175
363 Ile Glu Thr Ser Asn Ala Ser Thr Phe Arg Glu Phe Leu Pro Ser Arg
364                180                185                190
365 Glu Glu Gly Ser Gln Asn Asn Arg Val Arg Lys Glu Ser Asn Ser Asp
366                195                200                205
367 Leu Asn Ala Lys Ser Leu Glu Asn Gly Asn Glu Gln Gly Pro Gln Thr
368                210                215                220
369 Tyr Pro Met His Ile Pro Val Leu Val Pro Leu Gly Ser Ser Ile Thr
370 225                230                235                240
371 Ser Ser Leu Ser His Pro Pro Ser Glu Pro Asp Ser His Pro His Thr
372                245                250                255
373 Val Ala Gly Asp Tyr Gln Ser Phe Pro Asn His Ile Met Ser Thr Leu
374                260                265                270
375 Leu Gln Thr Pro Ala Leu Tyr Thr Ala Ala Thr Phe Ala Ser Ser Phe
376                275                280                285
377 Trp Pro Pro Asp Ser Ser Gly Gly Ser Pro Val Pro Gly Asn Ser Pro
378                290                295                300
379 Pro Asn Leu Ala Ala Met Ala Ala Ala Thr Val Ala Ala Ala Ser Ala
380 305                310                315                320
381 Trp Trp Ala Ala Asn Gly Leu Leu Pro Leu Cys Ala Pro Leu Ser Ser
382                325                330                335
383 Gly Gly Phe Thr Ser His Pro Pro Ser Thr Phe Gly Pro Ser Cys Asp
384                340                345                350
385 Val Glu Tyr Thr Lys Ala Ser Thr Leu Gln His Gly Ser Val Gln Ser
386                355                360                365
387 Arg Glu Gln Glu His Ser Glu Ala Ser Lys Ala Arg Ser Ser Leu Asp
388                370                375                380
389 Ser Glu Asp Val Glu Asn Lys Ser Lys Pro Val Cys His Glu Gln Pro
390 385                390                395                400
391 Ser Ala Thr Pro Glu Ser Asp Ala Lys Gly Ser Asp Gly Ala Gly Asp
392                405                410                415
393 Arg Lys Gln Val Asp Arg Ser Ser Cys Gly Ser Asn Thr Pro Ser Ser
394                420                425                430
395 Ser Asp Asp Val Glu Ala Asp Ala Ser Glu Arg Gln Glu Asp Gly Thr
396                435                440                445
397 Asn Gly Glu Val Lys Glu Thr Asn Glu Asp Thr Asn Lys Pro Gln Thr
398                450                455                460
399 Ser Glu Ser Asn Ala Arg Arg Ser Arg Ile Ser Ser Asn Ile Thr Asp
400 465                470                475                480
401 Pro Trp Lys Ser Val Ser Asp Glu Gly Arg Ile Ala Phe Gln Ala Leu
402                485                490                495
403 Phe Ser Arg Glu Val Leu Pro Gln Ser Phe Thr Tyr Arg Glu Glu His
404                500                505                510
405 Arg Glu Glu Glu Gln Gln Gln Gln Glu Gln Arg Tyr Pro Met Ala Leu
406                515                520                525
407 Asp Leu Asn Phe Thr Ala Gln Leu Thr Pro Val Asp Asp Gln Glu Glu
408                530                535                540
409 Lys Arg Asn Thr Gly Phe Leu Gly Ile Gly Leu Asp Ala Ser Lys Leu

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410	545					550						555				560
411	Met	Ser	Arg	Gly	Arg	Thr	Gly	Phe	Lys	Pro	Tyr	Lys	Arg	Cys	Ser	Met
412					565					570					575	
413	Glu	Ala	Lys	Glu	Ser	Arg	Ile	Leu	Asn	Asn	Asn	Pro	Ile	Ile	His	Val
414					580				585					590		
415	Glu	Gln	Lys	Asp	Pro	Lys	Arg	Met	Arg	Leu	Glu	Thr	Gln	Ala	Ser	Thr
416			595					600					605			

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/084,553

DATE: 07/24/2002

TIME: 12:27:40

Input Set : A:\Uco-1242.app

Output Set: N:\CRF3\07242002\J084553.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:340 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:2